

FORM PTO-1449  
(Modified)

APR 5 2001

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.: NEI-00103

Serial No.: 0977

INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
(37 CFR § 1.98(b))

Applicant: Gary R. McLuen et al.

Filing Date: December 19, 2000

Group Art Unit: 1764

## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
EQ	AA	3,917,455	11/4/75	Bak et al.	23	253 R	05/10/74
EQ	AB	4,415,732	11/15/83	Caruthers et al.	536	27	03/27/81
EQ	AC	4,458,066	07/03/84	Caruthers et al.	536	27	03/24/81
EQ	AD	4,816,513	03/28/89	Bridgham et al.	525	54.11	05/22/87
EQ	AE	4,837,159	6/6/89	Yamada	436	45	09/17/85
EQ	AF	5,047,524	09/10/91	Andrus et al.	536	27	12/21/88
EQ	AG	5,053,454	10/01/91	Judd	525	54.11	02/15/89
EQ	AH	5,093,268	03/03/92	Leventis et al.	436	172	01/28/91
EQ	AI	5,096,807	03/17/92	Leaback	435	6	12/01/89
EQ	AJ	5,112,736	05/12/92	Caldwell et al.	435	6	06/14/89
EQ	AK	5,132,418	07/21/92	Caruthers et al.	536	27	06/18/84
EQ	AL	5,239,484	08/24/93	Hayashi et al.	364	500	10/13/92
EQ	AM	5,262,530	11/16/93	Andrus et al.	536	25.31	07/27/90
EQ	AN	5,297,288	03/22/94	Hemminger et al.	395	700	06/10/92
EQ	AO	5,324,483	06/28/94	Cody et al.	422	131	02/02/93
EQ	AP	5,356,776	10/18/94	Kambara et al.	435	6	09/09/92
EQ	AQ	5,380,495	01/10/95	Chang et al.	422	131	08/27/93
EQ	AR	5,395,594	03/07/95	Nokihara et al.	422	135	08/24/92
EQ	AS	5,427,930	06/27/95	Birkenmeyer et al.	435	91.52	06/28/91
EQ	AT	5,437,979	08/01/95	Rampal et al.	435	6	08/24/92
EQ	AU	5,453,247	09/26/95	Beavis et al.	422	68.1	11/23/93
EQ	AV	5,468,606	11/21/95	Bogart et al.	435	5	07/31/92
EQ	AW	5,472,672	12/05/95	Brennan	422	131	10/22/93
EQ	AX	5,503,805	04/02/96	Sugarman et al.	422	131	11/02/93
EQ	AY	5,510,270	04/23/96	Fodor et al.	436	518	9/30/92
EQ	AZ	5,522,272	06/04/96	Vecere et al.	73	864.62	5/17/95
EQ	BA	5,529,756	06/25/96	Brennan	422	131	7/13/95
EQ	BB	5,541,113	07/30/96	Siddigi et al.	436	56	9/22/93
EQ	BC	5,545,531	08/13/96	Rava et al.	435	6	6/07/95
EQ	BD	5,547,839	08/20/96	Dower et al.	435	6	12/06/90
EQ	BE	5,563,033	10/08/96	Lawrence et al.	435	6	02/26/93
EQ	BF	5,571,639	11/05/96	Hubbell et al.	430	5	05/24/94
EQ	BG	5,593,839	01/14/97	Hubbell et al.	435	6	06/02/95
EQ	BH	5,597,694	01/28/97	Munroe et al.	435	6	10/07/93
EQ	BI	5,605,662	02/25/97	Heller et al.	422	68.1	11/01/93

Examiner:

Date Considered:

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Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Serial No.: 09/742,261

INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
(Use Several Sheets If Necessary)

Applicant: Gary R. McLuen et al.

(37 CFR § 1.98(b))

Filing Date: December 19, 2000

Group Art Unit: 176

## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
BJ		5,632,957	05/27/97	Heller et al.	422	68.1	09/09/94
BK		5,633,365	05/27/97	Stokke et al.	536	24.31	04/28/95
BL		5,639,428	06/17/97	Cottingham	422	112	07/19/94
BM		5,645,114	07/08/97	Bogen et al.	141	145	05/31/94
BN		5,645,801	07/08/97	Bourne et al.	422	68.1	08/18/95
BO		5,653,939	08/05/97	Hollis et al.	422	50	08/07/95
BP		5,690,894	11/25/97	Pinkel et al.	422	68.1	05/23/95
BQ		5,707,797	01/13/98	Windle	435	6	06/23/94
BR		5,720,923	02/24/98	Haff et al.	422	68.1	08/31/94
BS		5,720,928	02/24/98	Schwartz	422	186	04/03/95
BT		5,736,333	04/07/98	Livak et al.	435	6	06/04/96
BU		5,744,305	04/28/98	Fodor et al.	435	6	06/06/95
BV		5,762,881	6/9/98	Harness et al.	422	132	10/29/96

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
		BW	WO 91/13084	9/5/91	PCT	C07K	1/04	X
+		BX	WO 98/10857	3/19/98	PCT	B01J	19/00	X
		BY	WO 98/36829	8/27/98	PCT	B01J	19/00	X
+		BZ	WO 98/39099	9/11/98	PCT	B01J	3/00	X
		CA	WO 98/57181	12/17/98	PCT	G01N	35/10	X
+		CB	DE 196 42 777 A1	5/28/98	DE	B01J	19/00	X
		CC	DE 297 19 919 U1	5/12/99	DE	B01J	19/00	X
+		CD	DE 39 08725 A01	9/20/90	DE	G01N	35/00	X
+		CE	GB 2 146 030 A	4/11/85	GB	C07H	1/00	X

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

CF	L.E. Sindelar and J.M. Jaklevic, "High-Throughput DNA Synthesis in a Multichannel Format," Nucleic Acids Research, 1995, vol. 23, no. 6, pages 982-987, Oxford University Press.
CG	Robert L. Letsinger and V. Mahadevan, "Stepwise Synthesis of Oligodeoxyribonucleotides on an Insoluble Polymer Support," J Am Chem Soc, Vol. 88:22, pages 5319-5324, November 20, 1966
CH	VICI "Injectors and Switching Valves" Valco Instruments Co, Inc. Valco International, December 12, 1999, p. 1-2
CI	Valve Handbook by Philip L. Skousen, McGraw-Hill, 1997, pages 58-60

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## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
JO	AA	3,583,230	06/08/71	James A. Patterson	73	422	06/12/68
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
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Examiner: *Elizabeth Fenn* Date Considered: 12/7/2003

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EW	AA	4,748,859	06/07/88	Magnussen, Jr. et al.	73	864.01	03/06/87
EW	AB	5,171,537	12/15/92	Wainwright et al.	422	100	05/06/91
EW	AC	5,273,718	12/28/93	Skold et al.	422	101	08/07/91
EW	AD	5,368,823	11/29/94	McGraw et al.	422	134	02/11/93
EW	AE	6,270,730 B1	08/07/01	McLuen et al.	422	131	06/16/98
	AF						
	AG						
	AH						
	AI						
	AJ						

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
EW	AK	WO 97/26540	07/24/97	PCT	G01N	35/00		X
	AL							
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	
	AQ	
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	AV	
	AW	
	AX	
	AY	
	AZ	

Examiner:

*Elizabeth Hume*

Date Considered:

*12/7/2003*

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AUG 27 2002

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Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
EQ	AA	3,538,950	11/10/70	Wilhelm L. Porteners	137	608	04/16/69
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
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	AK						
	AL						

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
EQ	AK	14149/76	11/24/77	Australia	F161L	001/14		
EQ	AL	1,143,849	10/04/57	France	E 03b	E 03d		X
	AM	WO 98/57181	12/17/98	WIPO	G01N	35/10	duplicate	
EQ	AN	WO 99/65602	12/23/99	WIPO	B01J	19/00		
	AO							

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	
	AQ	
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Date Considered: 12/7/2003

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